AMENDMENTS TO THE SPECIFICATION

Please amend the Specification as follows:

Amend the paragraph on page 1, at lines 10-15, as follows:

Pixel-oriented techniques allow for the presentation of large amounts of data having detailed information. To date, many visualization applications utilize [[of]] pixel-oriented techniques, such as the spiral technique, the recursive pattern technique and the pixel bar chart technique. The pixel bar chart technique is for presenting the data values directly rather than aggregating the data into a few data values. The approach is to represent each item by a single pixel in the bar chart.

Amend the paragraph on page 2, at lines 14-17, as follows:

Furthermore, current pixel visualization techniques do not arrange data in a logical sequence. ~~Currently~~ Current techniques provide insufficient placement to resolve the locality and ordering constraints. As such, data is not categorized, and is more difficult to understand.

Amend the paragraph on page 11, at lines 1-8, as follows:

In one embodiment, the first ordering attribute corresponds to a horizontal axis and the second ordering attribute corresponds to a vertical axis of the graphically displayable array. The first ordering attribute and second ordering attribute are for placing the individual records within each of the groups and sub-groups. It should be appreciated that the first ordering attribute and the second ordering attribute are distinct attributes selected from the plurality of attributes. However, each of the first ~~dividing~~ ordering attribute and the second ~~dividing~~ ordering attribute may be the same as the first dividing attribute, the second dividing attribute and the visual indicator attribute.

Amend the paragraph on page 13, at lines 1-3, as follows:

At step 220, the records are partitioned into groups according to the first dividing attribute. In one embodiment, the first dividing attribute corresponds to the ~~vertical~~ horizontal axis (D_x).